



Generation IV Roadmap Planned Steps

***GRNS Meeting: Washington, D.C.
October 2, 2001***

Proposed Roadmap Structure

The Roadmap will be a Two-Part Document

- ***Part 1: Roadmap Summary***
 - ***Sets the context and summarizes recommendations***
 - ***Written for non-technical audience***
- ***Part 2: Technical Roadmap***
 - ***Provides additional technical descriptions, analysis, and justifications***
 - ***Written for nuclear technical audience***

Part One : *Roadmap Summary*

Executive Summary (3 to 5 pages) containing recommendations to government decision-makers

- ***Vision and Approach***
- ***Findings***
- ***Recommendations***

Main body (20-22 pages)

- ***Introduction and Background***
- ***Approach***
- ***Findings***
- ***Path Forward***

Part Two : *Technical Roadmap*

- ***Presents the synthesis of all technical reports issued by the working groups.***
- ***Presents a **complete and thorough** Gen IV rationale, i.e. a review of the important facts used in reaching the conclusions summarized in Part 1 of the Roadmap.***

Technical Roadmap Outline

Sections	Pages
1. Scenarios for Nuclear Energy	5
2. Goals for Generation IV Systems	5
3. System Options (Generation IV and NTD)	10
4. Methodology for System Selection	10
5. Systems Selected for Future R&D	10
6. R&D Needs for Selected Concepts	20
7. R&D Implementation Plan	20
Total Pages	80
APPENDICES : TWG, EMG, NTDG, and Crosscut Group reports	CD-ROM

Roadmap End-Product

Roadmap Summary will:

- **Articulate vision** of nuclear energy in the future
- **Summarize results** of concept selection
- **Recommend areas of technology** where R&D is needed

Technical Roadmap will complement, providing detailed information and rationale on:

- **Generation IV technology goals**
- **Methods and results** of concept selection
- **R&D pathways including potential international collaboration**

RIT integrates WG results and writes the Roadmap

Planned Evaluation Stages

- Screening for Potential *July-Nov 2001*
Concept studies
- Final screening *April 2002*
R&D plan development
- Roadmap completion *September 2002*

Viability R&D
- First down-selection
Performance R&D
(industry participation)
- Second down-selection
Demonstration w/industry,
design, regulatory reviews

Roadmap Milestones

TWGs

Concept reports

Interim

Sep 28, 2001

Final

Nov 16, 2001

TWGs/CGs

R&D Scope reports

Draft

Jan 25, 2002

Final

Mar 22, 2002

Final R&D Planning report

Jun 28, 2002

FCCG

Fuel Cycle Crosscut report

Sep 28, 2001

Roadmap Milestones, cont'd

EMG

Final Screening Methodology report

Draft

Oct 15, 2001

Final

Dec 21, 2001

Viability & Performance Evaluation

Methodology report

Final

Jun 21, 2002

RIT

Draft Roadmap

Jan 11, 2002

Final Screening

April 26, 2002

Interim Roadmap

May 31, 2002

Final Roadmap

Review version

Aug 2, 2002

Final version

Sep 27, 2002

R&D Scope Report Outline

Responsibility

Executive Summary

TWG

1. Introduction

TWG

2. Concept Potential and Technology Gaps

TWG

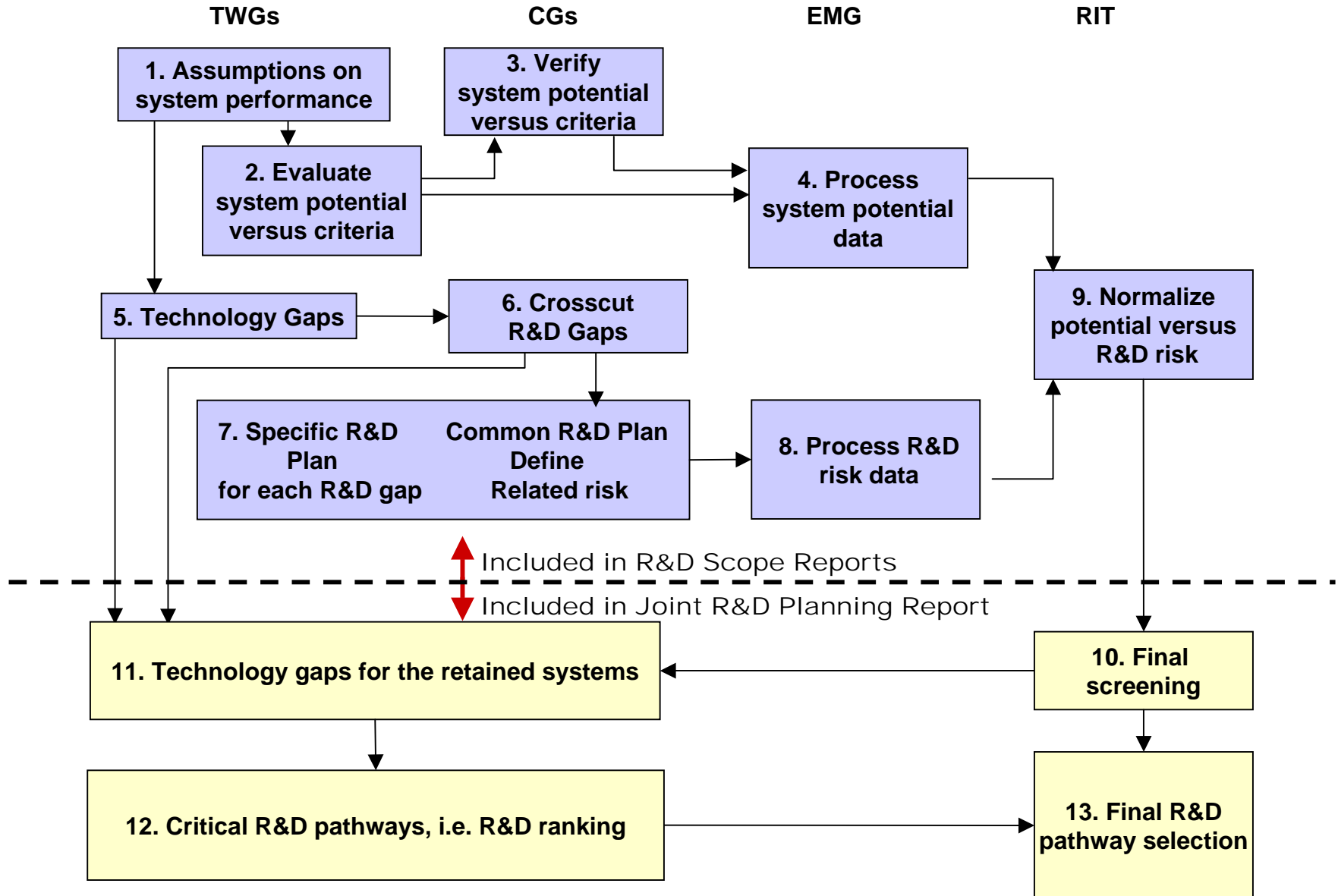
3. Required R&D and Evaluated Risk

CGs/TWG

4. Evaluations and Recommendations

TWG

Roadmap Integration Team Presentation



Portrayal of Concept “Potential “ vs “R&D Related Risk”

